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Geophysical Union, and to elect officers. The meetings were well attended and several of the sections reported gratifying progress in their respective fields.

The delegates selected to represent the Union and its sections at the Rome meetings are:

Geodesy: Wm. Bowie, United States Coast and Geodetic Survey, Washington, D. C.

Seismology: Harry Fielding Reid, Johns Hopkins University, Baltimore, Md.

Meteorology: H. H. Kimball, United States Weather Bureau, Washington, D. C.

Terrestrial Magnetism and Atmospheric Electricity: L. A. Bauer, Carnegie Institution, Washington, D. C.

Physical Oceanography: G. W. Littlehales, Hydrographic Office, Washington, D. C.

Volcanology: H. S. Washington, Geophysical Laboratory, Washington, D. C.

The officers, as of July 1, 1922, are:

The Union: L. A. Bauer, *chairman*; A. L. Day, *vice-chairman*; Wm. Bowie, *secretary*.

Geodesy: John F. Hayford, *chairman*; R. L. Faris, *vice-chairman*; N. L. Bowen, *secretary*.

Seismology: W. J. Humphreys, *chairman*; J. B. Woodworth, *vice-chairman*; D. L. Hazard, *secretary*.

Meteorology: E. H. Bowie, *chairman*; R. DeC. Ward, *vice-chairman*; A. J. Henry, *secretary*.

Terrestrial Magnetism and Atmospheric Electricity: W. F. G. Swann, *chairman*; L. A. Bauer, *vice-chairman*; J. A. Fleming, *secretary*.

Physical Oceanography: J. P. Ault, *chairman*; G. W. Littlehales, *vice-chairman*; W. E. Parker, *secretary*.

Volcanology: L. H. Adams, *chairman*; T. A. Jaggar, *vice-chairman*; R. B. Sosman, *secretary*.

Geophysical Chemistry: H. S. Washington, *chairman*; Whitman Cross, *vice-chairman*; R. B. Sosman, *secretary*.

W. J. HUMPHREYS,  
*Secretary for the Union*

#### LECTURES ON LIGHT AND THE CONSTITUTION OF MATTER AT THE UNIVERSITY OF WISCONSIN

PROFESSOR H. A. LORENTZ, of Leiden, Holland, is delivering a series of four lectures on the general subject of Light and the Constitution of Matter at the University of Wisconsin from March 20 to 27. Following the lectures, on March 30, 31, and April 1, a colloquium, on

the "Fundamental concepts of electro-dynamics and of the electron theory," will be held in his honor. As shown in the following program, the papers presented will summarize the present status in various fields with especial reference to the unsolved problems and the relation between theory and experiment. Dr. Lorentz will respond to each, and general discussion will be invited. The university extends a cordial invitations to attend both the lectures and the colloquium to all persons interested.

#### Program:

##### THURSDAY, MARCH 30

*The experimental basis for the laws of electro-dynamic action:* W. F. G. SWANN, University of Minnesota.

*Astrophysical evidence concerning radiant energy:* HARLOW SHAPLEY, Harvard Observatory.

*Deduction of the laws of electro-dynamics from the relativity principle:* LEIGH PAGE, Yale University.

*Analytical formulation of electro-magnetic theory through the field concept:* MAX MASON, University of Wisconsin.

##### FRIDAY, MARCH 31

*The rotating earth as a reference system for light propagation:* L. SILBERSTEIN, Research Laboratory, Eastman Kodak Company.

*Application of statistical mechanics to electron theory:* A. C. LUNN, University of Chicago.

*Scattering of light and resonance radiation in relation to optical theories:* R. W. WOOD, Johns Hopkins University.

*Thermal radiation,—a discussion of recent experimental results:* C. E. MENDENHALL, University of Wisconsin.

##### SATURDAY, APRIL 1

*Electron theory of metals, volume phenomena:* P. W. BRIDGMAN, Harvard University.

*Electron theory of metals, surface phenomena:* K. T. COMPTON, Princeton University.

#### SCIENTIFIC NOTES AND NEWS

DR. FRANK SCHLESINGER, director of the Yale Observatory, has been elected chairman of the American delegation to the meeting of the International Astronomical Union that opens at Rome on May 2. Other members of the delegation are Messrs. Aitken, Curtis, Lee, Miller, Russell, St. John, Seares and Shapley.

DR. H. FOSTER BAIN, director of the Bureau